

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 2-2005)

ATTORNEY'S DOCKET NUMBER

273943US90PCT

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

107539609  
MAIL STOP PCTINTERNATIONAL APPLICATION NO.  
PCT/JP04/12629INTERNATIONAL FILING DATE  
1 September 2004PRIORITY DATE CLAIMED  
2 September 2003 (earliest)

## TITLE OF INVENTION

SIGNAL SEPARATION METHOD, SIGNAL SEPARATION DEVICE, SIGNAL SEPARATION PROGRAM AND RECORDING MEDIUM

## APPLICANT(S) FOR DO/EO/US

Shoko ARAKI et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11.  A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12.  A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15.  A **FIRST** preliminary amendment.
16.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
17.  A substitute specification.
18.  A power of attorney and/or change of address letter.
19.  A computer-readable form of the sequence listing in accordance with PCT Rule 13<sup>ter</sup>.2 and 37 CFR 1.821 - 1.825.
20.  A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21.  A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22.  Express Mail Label No.
23.  Other items or information:

Application Data Sheet/Notice of Priority

Drawings (29 Sheets)/ Form PTO-1449

Statement of Relevancy/References Cited (24)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>10/539609</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP04/12629</b>		ATTORNEY'S DOCKET NUMBER <b>273943US90PCT</b>	
				CALCULATIONS PTO USE	
The following fees are submitted: 24. <input checked="" type="checkbox"/> Basic national fee ..... \$300 25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100 All other situations ..... \$200 26. <input checked="" type="checkbox"/> Search fee ..... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared and provided to the Office ..... \$400 All other situations ..... \$500 <b>TOTAL OF 24, 25 and 26 =</b> <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$ <b>\$300.00</b>	
				\$ <b>\$200.00</b>	
				\$ <b>\$400.00</b>	
				\$ <b>\$900.00</b>	
Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof (round up to a whole) 149 - 100 =      49 /50 =      1      x \$250.00				\$ <b>\$250.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS      NUMBER FILED      NUMBER EXTRA      RATE Total claims      38 - 20 =      18      x \$50.00 Independent claims      15 - 3 =      12      x \$200.00				\$ <b>\$900.00</b>	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00				\$ <b>\$360.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ <b>\$4,810.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ <b>\$0.00</b>	
				<b>SUBTOTAL =</b> \$ <b>\$4,810.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ <b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				\$ <b>\$4,810.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$ <b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				\$ <b>\$4,810.00</b>	
				<b>Amount to be</b> \$	
				<b>Amount to be</b> \$	
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0030</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Customer Number 22850					
 SIGNATURE <b>Masayasu Mori</b>					
NAME <b>47,301</b>					
REGISTRATION NUMBER					

Docket No.: 273943US-90 PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION: Shoko ARAKI, et al.

SERIAL NO.: 10/539,609

GAU:

FILED: June 17, 2005

EXAMINER:

FOR: SIGNAL SEPARATION METHOD, SIGNAL SEPARATION DEVICE, SIGNAL SEPARATION PROGRAM, AND RECORDING MEDIUM

**LETTER SUBMITTING REPLACEMENT DRAWING SHEET(S)**

COMMISSIONER FOR PATENTS

Alexandria, VA 22313

SIR:

Responsive to the below indicated communication, the following drawing sheets are submitted herewith:

3 Replacement Drawing Sheets       \_\_\_\_\_ New Drawing Sheets

Official Action dated \_\_\_\_\_

Notice of Allowance/Issue Fee dated \_\_\_\_\_

Prior to a first examination on the merits

The changes and/or modifications made include the following:

Replacement Figures 17 and 24 now properly recite the term “A’(f,m)<sup>+</sup>” for each of steps S71 and S91, respectively. Further, replacement Figure 25 now properly labels element 601-k, which was originally improperly labeled as element 602-k.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



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